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INTERNATIONAL SEARCH REPORT

enal Application No PC 03/02732

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03L7/099 H03L7/10 H03J1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H03L - H03J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
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page 2, line 37 -page 3, line 51; figure 2	3-5
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US 4 855 683 A (TROUDET ET AL) 8 August 1989 (1989-08-08) figure 2	1-9
	EP 0 944 171 A (KONINKL PHILIPS ELECTRONICS NV) 22 September 1999 (1999-09-22) page 2, line 37 -page 3, line 51; figure 2 DE 100 56 294 A (INFINEON TECHNOLOGIES AG) 29 May 2002 (2002-05-29) column 5, line 65 - line 68 US 4 847 569 A (DUDZIAK ET AL) 11 July 1989 (1989-07-11) abstract; figure 3 US 4 855 683 A (TROUDET ET AL) 8 August 1989 (1989-08-08)

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date C' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 25 September 2003	Date of mailing of the international search report 02/10/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer
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